

JC04 Rec'd PCT/PTO 28 SEP 2005

Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER CS0115-01/US U.S. APPLICATION No. (if known, see 37 CFR 1.5) 10/551358
INTERNATIONAL APPLICATION NO. PCT/US2004/007176	INTERNATIONAL FILING DATE 10.March.2004 (10.03.2004)	PRIORITY DATE CLAIMED 28.March.2003 (28.03.2003)
TITLE OF INVENTION MULTIDIMENSIONAL MASS SPECTROMETRY OR SERUM AND CELLULAR LIPIDS DIRECTLY FROM BIOLOGIC EXTRACTS		
APPLICANT(S) FOR DO/EO/US Richard W. Gross, et al.		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). 		
Items 11 to 20 below concern document(s) or information included:		
<ol style="list-style-type: none"> 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. (3 pgs.) 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter. (2 pgs., filed for inventor Identification Purposes Only) 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 		

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <div style="font-size: 1.5em; font-weight: bold;">10/551358</div>		INTERNATIONAL APPLICATION NO. PCT/US2004/007176		ATTORNEY'S DOCKET NUMBER CS0115-01/US	
20. <input checked="" type="checkbox"/> Other items or information: Certificate of Express Mail (1 pg.); & Return Receipt Postcard					
The following fees have been submitted				CALCULATIONS PTO USE ONLY	
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300				<div style="border: 1px solid black; padding: 2px;">\$ 300.00</div>	
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 All other situations.....\$200				<div style="border: 1px solid black; padding: 2px;">\$ 200.00</div>	
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....\$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400 All other situations.....\$500				<div style="border: 1px solid black; padding: 2px;">\$ 100.00</div>	
TOTAL OF 21, 22 and 23 =				<div style="border: 1px solid black; padding: 2px;">\$600.00</div>	
<input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.				<div style="border: 1px solid black; padding: 2px;">\$ 250.00</div>	
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
110 - 100 =	10/50 =	1	x \$250		
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				<div style="border: 1px solid black; padding: 2px;">\$</div>	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	56 - 20 =	36	x \$ 50	\$ 1,800.00	
Independent claims	22 - 3 =	19	x \$200	\$ 3,800.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable) 1			+ \$360	\$ 360.00	
TOTAL OF ABOVE CALCULATIONS =				<div style="border: 1px solid black; padding: 2px;">\$ 6,810.00</div>	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.					
SUBTOTAL =				<div style="border: 1px solid black; padding: 2px;">\$ 3,405.00</div>	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				<div style="border: 1px solid black; padding: 2px;">\$</div>	
TOTAL NATIONAL FEE =				<div style="border: 1px solid black; padding: 2px;">\$ 3,405.00</div>	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				<div style="border: 1px solid black; padding: 2px;">\$</div>	
TOTAL FEES ENCLOSED =				<div style="border: 1px solid black; padding: 2px;">\$ 3,405.00</div>	
				Amount to be refunded:	\$
				Amount to be charged	\$

10/551358

PTO-1390 (Rev. 07-2005)

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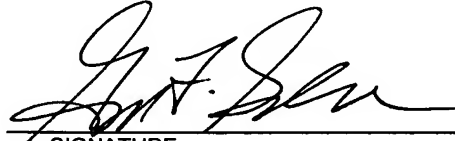
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- a. ☐ A check in the amount of \$ _____ to cover the above fees is enclosed.
- b. ☒ Please charge my Deposit Account No. 01-2384 in the amount of \$ 3,405.00 to cover the above fees.
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 01-2384. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Patrick W. Rasche, Esq.
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One Metropolitan Square, Suite 2600
St. Louis, MO 63102



SIGNATURE

Gordon F. Sieckmann

NAME

28,667

REGISTRATION NUMBER

J004 Rec'd PCT/PTO 28 SEP 2005

IN THE UNITED STATES PATENT OFFICE

Applicant: Richard W. Gross et al. :
Serial No. : Art Unit:
Filed: September 26, 2005 : Examiner:
For: MULTIDIMENSIONAL MASS :
SPECTROMETRY OF SERUM AND :
CELLULAR LIPIDS DIRECTLY FROM :
BIOLOGIC EXTRACTS :

**CERTIFICATE OF MAILING BY EXPRESS MAIL TO
THE COMMISSIONER OF PATENTS AND TRADEMARKS**

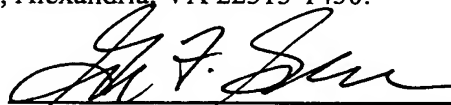
Express Mail label number: **EV504792927US**

Date of Mailing: **September 28, 2005**

I certify that documents of **Richard W. Gross** and **Xianlin Han** for **MULTIDIMENSIONAL MASS SPECTROMETRY OF SERUM AND CELLULAR LIPIDS DIRECTLY FROM BIOLOGIC EXTRACTS (Docket No. CS0115-01/US)**, claiming priority of PCT/US2004/007176, filed March 10, 2004, including:

- Transmittal Letter To The United States Designated/Elected Office (DO/EO/US) Concerning A Filing Under 35 U.S.C. 371 (3 pgs., in duplicate, Includes Application Fee Transmittal)
- Preliminary Amendment (3 pgs.)
- Declaration/Power of Attorney (2 pgs., filed for Inventor Identification Purposes Only)
- Return postcard

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above in an envelope addressed to the Mail Stop: PCT, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.



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